

GUIDANCE DOCUMENT

Land Use: Cropland - Corn

Cooperator: J. Deere

Tract No.: 1003

Date: June 2002

Field No.: 5

Acres: 50

Selected Treatment Level (circle one):
RMS; Resource Concern; Practice

Soil: Hagerstown Silt Loam 3-8%

T= 4 t/ac

Assisted By: RDH

RESOURCE CONCERNS

| Benchmark | Soil | Water | Plants | Animals | Air |
|--|-------------------|------------------------------------|---|--------------------|---------------------|
| Continuous Corn Poor Quail Hunting | | | | No Cover for Quail | |
| Johnson Grass Infestation | | | Noxious Weed Invasion Reduces Corn Yield | | |
| Sheet Rill Erosion 6Ton/Ac | S & R = 6T/Ac | | | | |
| Ephemeral Gullies | Ephemeral Gullies | | | | |
| Applies Total of: 200lbs./Ac N 150lbs./AC P | Build up of P | Excessive N May Leach to Stream | | | |
| Using Manure/Inorganic Fertilizer | | | | | |
| Neighbors Complain About Manure Odor | | | | | Odor When Spreading |

EFFECTS GUIDANCE DOCUMENT FOR ALTERNATIVE RESOURCE CONCERN

RESOURCE CONCERNS

| Alternative #1 | Soil | | | Water | Plants | Animals | Air |
|--|------------|-------------------|---------------|---------------|-----------------------------|-----------------------|--------------|
| | S & R | Ephemera Gully | Excess "P" | Leaching of N | Pest Plant Johnson Grass | Poor Quail Habitat | Manure Odors |
| #1 Conservation Crop Rotation (328) | +5 | +4 | +2 | +3 | +5 | --- +2 | --- |
| Contour Farming (330) | +4 | +2 | | +2 | --- | --- | --- |
| Nutrient Management (590) | +2 | --- | +5 | +5 | --- | --- | +5 |
| Upland Wildlife Habitat Management (645) | --- | --- | --- | --- | --- | +5 | --- |
| TOTAL: | +11 | +6 | +7 | +10 | +5 | +7 | +5 |
| Alternative #2 | | | | | | | |
| | | | | | | | |
| Continuous Corn Residue Management No-Till (329A) | +5 | +1 | --- | --- | +2 | --- | --- |
| Grassed Waterway (412) | --- | +5 | --- | +4 | --- | --- | --- |
| Nutrient Management (590) | +2 | --- | +5 | +5 | --- | --- | +5 |
| Pest Management (595) | --- | --- | --- | --- | +4 | --- | --- |
| Upland Wildlife Habitat Management (645) | --- | --- | --- | --- | --- | +5 | --- |
| TOTAL: | +7 | +6 | +5 | +9 | +6 | +5 | +5 |